SITE ASSESSMENT FORM

(Attach additional description or explanation as needed
or include in comment Section VIII.)

Site name: _____ **SWIS No.** _____

I. Disposal Site Characteristics

A. Waste Area(s) Dimensions

1. Area and volume: _____ acres _____ cubic yards
2. Estimate maximum depth of waste: _____ feet
3. Estimate average depth of waste: _____ feet _____

B. Soil Type (check appropriate soil types)

	Native	Cover
1. Clay, silt, loam (low permeability):	☐	☐
2. Sand, pebble (medium permeability):	☐	☐
3. Gravel, cobble, rocks (high permeability):	☐	☐

C. Mean annual precipitation: _____ inches

D. Estimated separation between waste and ground water: _____ feet

E. Is waste area within a 100-year flood plain? (Y/N): _____

F. Show the following items on a site map(s):

1. Property boundaries
2. Waste disposal area(s) boundary
3. Structures on or within 1000 ft. of waste
4. Topographical Contours
5. Access points and roads
6. Site security systems
7. Surface water bodies and drainage patterns
8. Monitoring and control systems
9. Areas where landfill gas migration was detected
10. Areas where leachate migration was detected

G. Provide a chronological list of enforcement actions for the site: _____

H. Provide reference list of technical documents for the site (Give date and report, e.g. SWAT, Design, Control System, and Monitoring Plans): _____

II. Landfill Gas Migration

A. Status

1. Has an Air Quality Solid Waste Assessment Test (Air SWAT) been completed for the site? If yes, describe results. (Y/N)

2. Have surface or structure landfill gas monitoring surveys been conducted for the site? If yes, describe results. (Y/N)

3. Does the site have a landfill gas monitoring system? If yes, describe(Y/N)

4. Does the site have a landfill gas control system? If yes, describe. (Y/N)

B. Migration

1. Do surface methane emissions exceed 500 ppm? (Y/N/U)

If **unknown**, conduct a field survey for presence of landfill gas.

If **no**, based on field observations or measurements, age, and moisture content of the waste and the existing cover, are surface emissions > 500 ppm likely to occur? (Y/N)

2. Has >1.25% methane by volume accumulated in on-site structures? (Y/N/U)

If **unknown**, conduct a field structure survey for presence of landfill gas.

If **no**, based on field measurements, the age and nature of the waste, land use, and cover conditions, is landfill gas accumulation likely to occur in structures on or around the site? (Y/N) Reasons

3. Do the methane concentrations exceed 5% at the site boundary? (Y/N/U)

If **unknown**, conduct perimeter field survey for landfill gas migration.

If **no**, based on a perimeter field survey, age and moisture content of the waste, and the existing cover, is landfill gas migration likely to occur beyond the boundaries of the site? (Y/N) Reasons

III. Leachate Seeps

A. Status

1. Does the site have a leachate control system? (Y/N) _____ If **yes**, briefly describe the leachate control system:

2. Does the landfill have an engineered lining system? (Y/N) _____ If **yes**, briefly describe the liner system:

3. Does the site have a final cover? (Y/N) _____ If **yes**, briefly describe the final cover and any agency approvals:

B. Migration

1. Is there any evidence of leachate seeps? (Y/N) If **yes**, briefly describe and indicate if offsite. _____

IV. Burn Ash

A. Status

1. Is there burn ash at this site? (Y/N) If **yes**, briefly describe. _____

2. Is there any exposed burn ash? (Y/N) If **yes**, briefly describe. _____

B. Migration

1. Is there any evidence of burn ash off site? (Y/N) If **yes**, briefly describe. _____

V. Surface Conditions

A. Is site access adequately restricted? (Y/N) _____

B. Is the waste adequately covered to prevent human contact? (Y/N) _____

C. Is the final drainage system for the site adequate to prevent erosion? (Y/N) _____

D. Is the final grading adequate to promote run-off? (Y/N) _____

E. Are slopes greater than 3:1 (33% or 18 degrees)? (Y/N) _____

F. Are slopes greater than 1.75:1 (57% or 30 degrees)? (Y/N) _____

G. Comments _____

VI. Postclosure Land Use

A. Has the land use of the site significantly changed since closure? (Y/N) _____ If **yes**, include or reference site improvement plans and answer the following: _____

1. Give the date that the improvements were constructed: _____

2. Have the improvements compromised the integrity of the final cover? (Y/N/NA) _____

3. Has differential settlement affected the improvements? (Y/N) _____

B. Is there a proposed change in postclosure land use that may jeopardize the integrity of previously closed sites or pose a potential threat to public health and safety or the environment? (Y/N) _____
If **yes**, briefly describe the proposed project: _____

C. Is there a postclosure land use tracking system? (Y/N) _____ If **yes**, describe the tracking system: _____

VII. Disposal Site Category (See Classification Chart)

Primary	A:	☐	B:	☐	C:	☐	D:	☐	U:	☐	X: ☐
Secondary	1:	☐	2:	☐	3:	☐					

VIII. Comments: _____

Prepared By: _____ **Date**: _____